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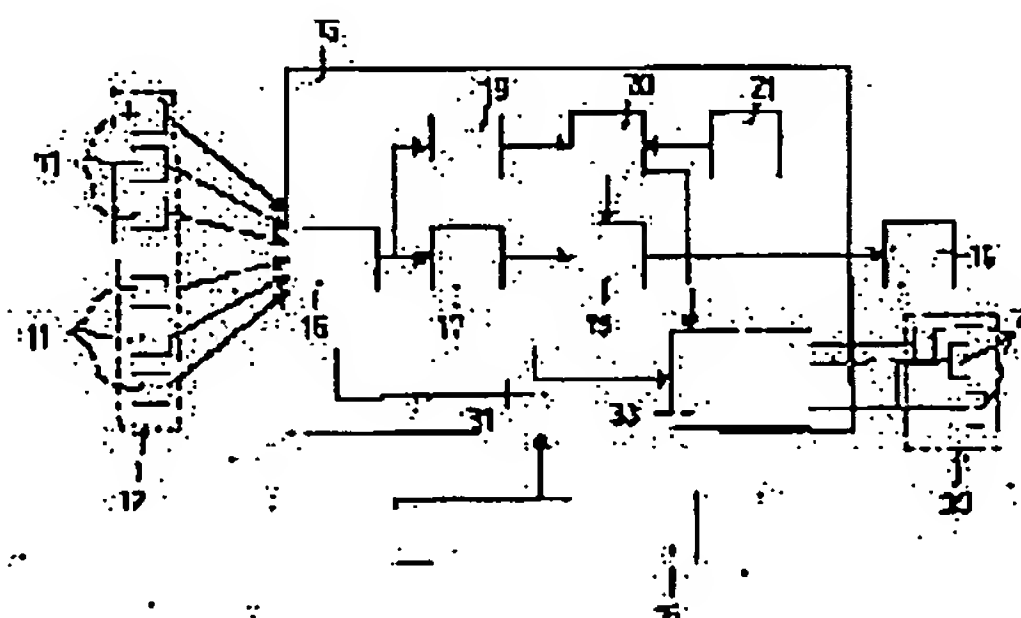
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(54) POWER SUPPLY SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a power supply system for operating an apparatus, e.g. a radio capsule, held in a living body for a long time.

SOLUTION: The power transmission system comprises a plurality of sections 29 for transmitting infrared light toward a radio capsule 28 held in a living body in order to detect information thereof and transmitting it by radio to the outside of a body, an antenna array 12 for receiving a signal transmitted from the radio capsule 28, means 19 for locating the radio capsule 28 in the body from the receiving state of the receiving antenna array 12, and a circuit 33 for selecting a light emitting section 29 closest to a position located by the locating means 19, and a circuit 31 for driving a light emitting section 29 selected by the selecting circuit 33 to emit light wherein power is transmitted to the radio capsule 28 by infrared light emitted from the light emitting section 29.



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